

## Environmental Protection Statement

An analysis of the proposed McNeese State University ("MSU") site was performed using the Commission's FM Model program. The proposed antenna is a four bay ERI Rototiller. This 1 wave spaced antenna has a maximum ERP of 4000 W. The antenna will be mounted at 120 meters above ground level on the northeast leg of the KPLC studio tower (ASR 1049448). The 4 bay antenna was analyzed using the following parameters.

Horizontally Polarized Radiation 4000.0 W

Vertically Polarized Radiation 4000.0 W

Distance from Center of Radiation

Downward to rooftop 120 meters

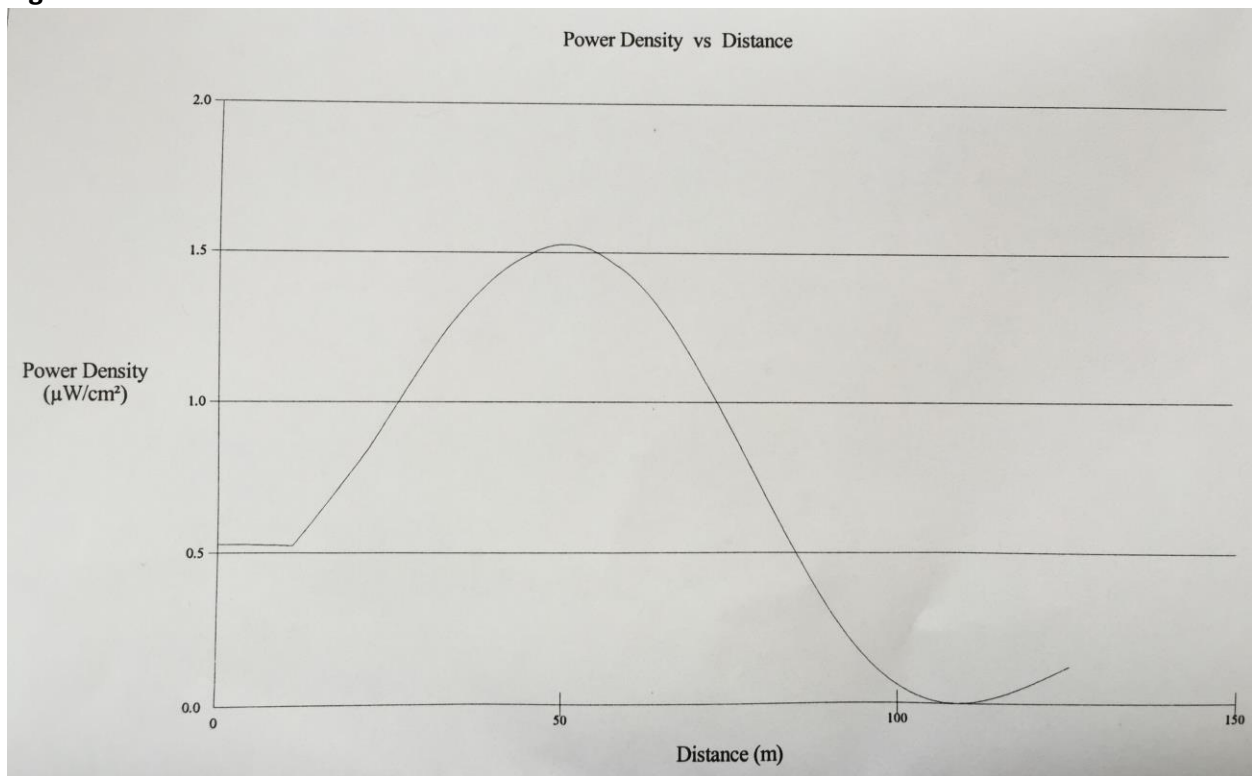
Type of Antenna ERI Rototiller

Number of Antenna Elements 4

Antenna Element Spacing  $1\lambda$

The following Figure 1 was produced using the FCC FM Model:

**Figure 1**



Maximum Value: 1.55  $\mu\text{W}/\text{cm}^2$ .

This configuration produces a maximum of 1.55 microwatts per square centimeter at ground level at a distance of 3.4 meters horizontally from a point in space 120 m directly under the antenna. This is less than 1% of the 200 microwatts per square centimeter allowed for uncontrolled exposure. The general public will not be exposed to power density levels exceeding the allowed exposure value.

Maintenance personnel will be fully informed of the antenna and safety precautions will be taken when working near the structure. Danger signs will be posted in all locations expected to receive more than the 200 microwatts per square centimeter allowed for uncontrolled exposure.

This McNeese State University proposal has no significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments. Therefore, this proposal is excluded from environmental processing.

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